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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,801	11/26/2003	Joseph M. Steigerwald	ITL.0947US (P15971)	8208
21906 75	590 11/04/2004	EXAMINER		
TROP PRUNER & HU, PC			CLARK, SHEILA V	
8554 KATY FF	REEWAY		5 / 505 / WD (DDD	
SUITE 100			ART UNIT	PAPER NUMBER
HOUSTON, TX 77024			2815	
		DATE MAILED: 11/04/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Action Commence	10/722,801	STEIGERWALD, JOSEPH M.			
Office Action Summary	Examiner	Art Unit			
	S. V. Clark	2815			
The MAILING DATE of this communication apporeriod for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 09 Au	igust 2004.				
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ This	action is non-final.				
3) Since this application is in condition for allowan	ce except for formal matters, pro	secution as to the merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims		•			
4) Claim(s) 1-12 is/are pending in the application.					
4a) Of the above claim(s) is/are withdraw	n from consideration.	•			
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-12</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers		•			
9) The specification is objected to by the Examine					
10) The drawing(s) filed on is/are: a) acce		Examiner.			
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.					
<ul> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
Attachmant/a)					
Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)					
Paper No(s)/Mail Date  Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Solution (PTO-152)					
Paper No(s)/Mail Date 6)					

Application/Control Number: 10/722,801

Art Unit: 2815

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Emesh et al (6, 802, 955) including the incorporated teachings of Breivogel et al (5, 554, 064)( see col.9 of Emesh)

Emesh et al shows in for example figure 9 a wafer 904 positioned on a conductive polishing pad 612. The provision of electrical contact to the surface of the pad is taught in col. 9, lines 9-35. The teachings of Emesh is deemed to obviously include the steps of positioning and providing.

Col. 9, lines 25-30 discusses applying a positive and negative charge (first and second potential of a first and second polarity).

Figure 10 shows circular shaped openings 708 in the pad.

Col. 7, line 13 of Emesh teaches use of pressure (i.e. surface tension) and the Breivogel teachings (incorporated into Emesh reference, see col.9) further teach applying pressure in col. 4, line 32-45 and counter rotating in col.4, line 28. as well as the use of abrasives or slurries (see col.4, lines 57-62).

Claims 1-12 are rejected.

Kim et al (5, 899, 745), Grabbe et al (6, 709, 981), Yu (5, 329, 734) and Tsai et al (5, 575, 706) are cited to show polishing devices with circularly shaped pads.

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Applicant is to note that the sheet for PTO-892 could not be accessed (computer code-BRS was busy) so patent numbers have been included in the action above.

Any inquiry concerning this communication should be directed to S. V. Clark at telephone number (571) 272-1725.

S. V. Clark

Primary Examiner Art Unit 2815

October 31, 2004